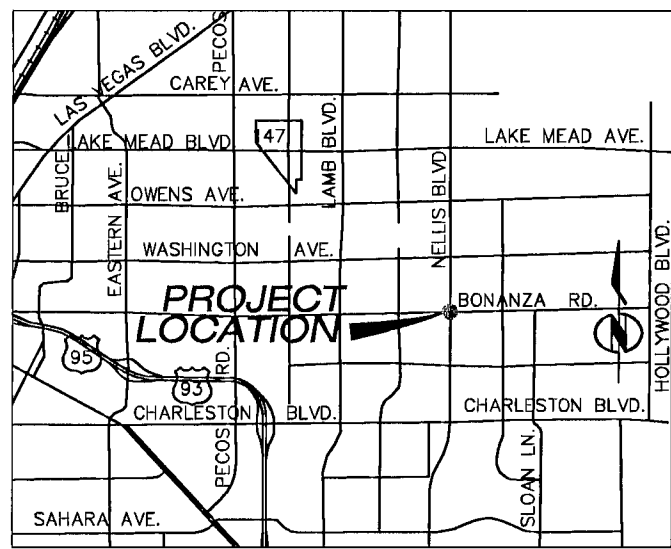




VICINITY MAP
NOT TO SCALE
T20S R62E SEC: 32

GENERAL NOTES

ALL CONSTRUCTION SHALL CONFORM TO AMERICAN FIBER SYSTEMS AND CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS.

ALL CONDUIT, PULL BOXES, MANHOLES, TRENCHING, BACK FILLING AND SUBSTRUCTURES ARE TO BE PROVIDED BY THE CONTRACTOR AND CONFORM TO AMERICAN FIBER SYSTEMS STANDARDS UNLESS OTHERWISE SPECIFIED.

TRENCHING AND TELEPHONE BOXES ARE TO BE PLACED IN THE SIDEWALK AREA WHENEVER POSSIBLE. ALL TRENCHING WILL BE OF A MINIMUM DEPTH TO MAINTAIN A 36" COVER OVER ALL AMERICAN FIBER SYSTEMS FACILITIES AND 12" MINIMUM SEPARATION FROM FOREIGN UTILITIES, NEW AND EXISTING BOXES WILL BE ESTABLISHED TO FINISH GRADE.

ALL 90° DEGREE BENDS MUST BE A MINIMUM F.A. 48" SWEEP.

ALL PULL BOXES LARGER THAN 17"x30" AND MANHOLES ARE TO BE GROUNDED WITH A #6 TINNED SOFT COPPER BONDING RIBBON PLACED VERTICALLY AROUND THE BOTTOM OF THE BOX WITH A 3" END STUBBED INSIDE.

PLYWOOD BACKBOARDS ARE TO BE TREATED WITH A FIRE RETARDANT MATERIAL, PAINT OR SEALER.

THE CONTRACTOR SHALL PROVIDE AND INSTALL A MEASURING TAPE CONSISTING OF A WATER PROOF 400 LB. TENSILE STRENGTH MARKED IN ONE FOOT OR LESS INCREMENTS IN AT LEAST ONE DUCTS IN ALL CONDUIT SECTIONS. ALL OTHER DUCTS WILL HAVE A 3/4" JET LINE PULL STRING WITH 400 LB. TENSILE STRENGTH.

THE CONTRACTOR SHALL PROVE AND MANDREL ALL CONDUIT AFTER BACK FILLING WHILE A AMERICAN FIBER SYSTEMS ENGINEER IS PRESENT. MANDREL SIZE IS TO BE 2" SMALLER THAN THE INSIDE DIAMETER OF CONDUIT.

IN ORDER TO INSURE ADEQUATE FACILITIES ARE PROVIDED FOR ON THE PROJECT, IT IS IMPERATIVE THAT THE CONDUIT DESIGN NOT BE CHANGED WITHOUT THE AMERICAN FIBER SYSTEMS ENGINEER'S APPROVAL.

ALL TERMINALS, BACKBOARDS, CABINETS, ETC., SHALL BE EQUIPPED WITH A #6 GAUGE COPPER GROUND WIRE, ATTACHED TO A COMMON POWER MGN.

ALL PULL BOXES AND MANHOLES NOT IN A CONCRETE SIDEWALK, WILL BE REQUIRED TO HAVE A PROTECTIVE 8"x8" CONCRETE COLLAR POURED AROUND THE TOP PORTION OF THE BOX AND H-20 LOAD BEARING LIDS.

ALL CONDUIT ENDS (TERMINATED OR STUBBED) WILL HAVE A TAPERED POLYETHYLENE DUCT PLUG WITH A PULL STRING ATTACHED.

INSPECTION IS REQUIRED FOR ALL PHASES OF THE JOB.

THESE PHASES ARE:

- *OPEN TRENCHES AFTER CONDUIT HAS BEEN PLACED.
- *OBSERVATION OF BACK FILL AND COMPACTION AS
- *MEETING STANDARDS.
- *MANDREL OF CONDUIT.
- *WALL OF PULL BOXES AND MANHOLES MUST BE *CORDED WITH PROPER AMOUNT OF TERMINATIONS.
- *GROUTING OF PULL BOXES AND CONCRETE COLLARS.
- *PULL STRING IN ALL CONDUITS.

ALL WORK MUST BE ACCEPTED BY AMERICAN FIBER SYSTEMS, AS MEETING AMERICAN FIBER SYSTEMS STANDARDS, FOR A CONTRACTOR TO BE PAID AND FOR AMERICAN FIBER SYSTEMS TO PLACE ANY TYPE OF TELECOMMUNICATIONS CABLE/FIBER.

LEGEND

- INDICATES EX. UTILITIES & OH CABLE
- PROPOSED 2,3,4 & 6" PVC, SCHEDULE 40
- PROPOSED FIBER
- PROPOSED 1 1/4" HDPE DUCT
- INDICATES CENTER LINE
- INDICATES RIGHT OF WAY
- PROPOSED PULL BOX 3'X5'X4'6"
- PROPOSED PULL BOX 2'6"X4'X3'
- PROPOSED PULL BOX 30"X48"X36"
- ☒ TERMINAL CABINET 36"X36"X6"
- ☒ TERMINAL CABINET 24"X24"X6"
- ☒ TERMINAL CABINET 18"X24"X6"
- ☒ RAIN TIGHT, HINGED DOOR E/W A 3/4" PLY. WOOD BACKBOARD, UL APPROVED.
- ▨ 3/4" PLYWOOD BACKBOARD TREATED WITH A FIRE RETARDANT PAINT OR SEALER. BACKBOARDS SMALLER THAN 4'X8' SHOULD BE MOUNTED 40" ABOVE THE FLOOR.
- ← #6 COPPER GROUND WIRE ATTACHED TO A POWER MGN.

CONSTRUCTION LEGEND

- T-200
- MANHOLE
- ⊕ WOOD POLE
- T-B36

MANHOLE CONDUIT

- PROPOSED USE
- EMPTY
- HALF FULL
- FULL

UTILITY NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

Avoid cutting underground utility lines. It's costly.
Call before you Dig
Dial 811
UNDERGROUND SERVICE USA

Avoid hitting overhead power lines. It's costly.
Call before you Dig
CALL 1-702-227-2929

UnderGround
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FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

Contact: Rob T.
FIBER OPTIC TECH.
AMERICAN FIBER SYSTEMS
6580 S. Spencer St. Ste. B2-100
Las Vegas, NV 89119
PHONE: (702) 949-7948
FAX: (702) 949-7929

CONSTRUCTION NOTES:
COORDINATE CONSTRUCTION WITH AMERICAN FIBER SYSTEMS. ALL UG CONDUIT TO BE EQUIPPED WITH LOCATE WIRE. MAINTAIN A MINIMUM OF 36" (PLACE BORE PITS AS NECESSARY)

CONSTRUCTION NOTES

- 1 PLACE 1-1" INNERDUCT IN EXISTING 4" CONDUIT.
- 2 INSTALL 1-24 CT FIBER.

NOTE: ALL WORK SHALL COMPLY WITH THE CCAU STANDARDS DRAWINGS.

City of Las Vegas
APPROVED FOR CONSTRUCTION
THIS APPROVAL IS FOR WORK IN CLV R/W OR CLV EASEMENT ONLY. OBTAINING PERMISSION OR EASEMENT FOR WORK SHOWN ON PRIVATE PROPERTY IS THE RESPONSIBILITY OF THE UTILITY.
Approval _____ Date 10-15-13

CITY OF LAS VEGAS PUBLIC WORKS PERMIT REQUIRES *

DEVELOPER/CONTRACTOR SHALL OBTAIN A CITY OF LAS VEGAS (CLV) PERMIT BEFORE ANY EXCAVATION WORK WITHIN CITY OF LAS VEGAS RIGHT-OF-WAY

* AMERICAN FIBER SYSTEMS INSPECTOR WILL VERIFY CITY OF LAS VEGAS PERMIT FOR WORK DONE WITHIN CLV RIGHT-OF-WAY

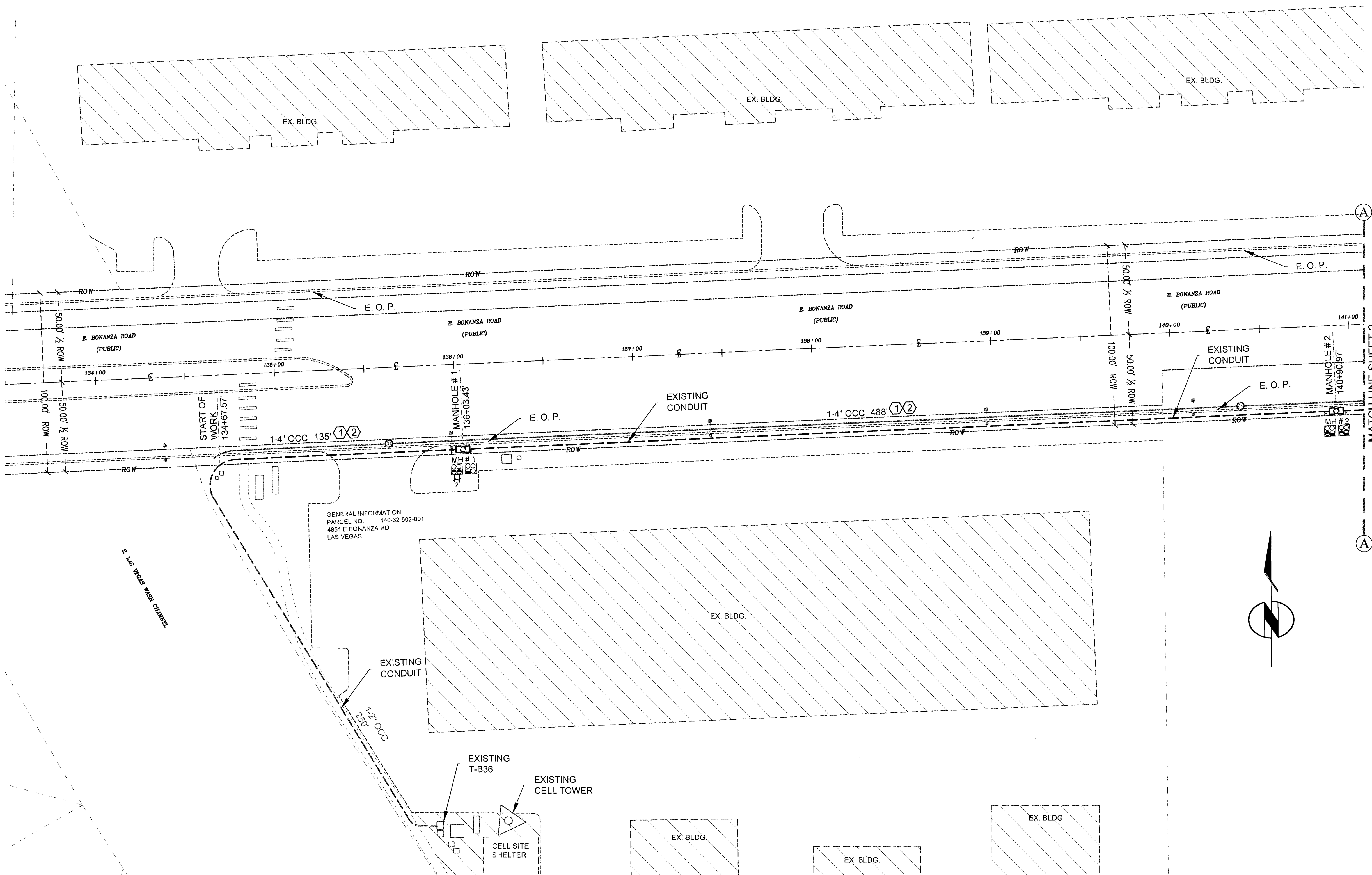
INSPECTOR: _____ DATE: _____



SHEET

1

1 OF 2 SHEETS



DETAIL FIBER PLAN
SCALE: 1"=30'-0"

PROJECT NAME: 4851 E. BONANZA RD. SPRINT # 7 VG50XC120
PROJECT LOCATION: E. BONANZA ROAD & N. NELLIS BLVD.
PROJECT NUMBER: Z-13006

SCALE (H)
1"=30'

DESIGN BY
FRANK

DRAWN BY
CORSAK

REVIEW BY
ROB

REV. #

DATE

DESCRIPTION

APPROVAL